

**From:** Kelley Chase/R3/USEPA/US  
**Sent:** 7/16/2012 5:56:45 PM  
**To:** Dave Russell/ESC/R3/USEPA/US@EPA  
**CC:** Cynthia Caporale/ESC/R3/USEPA/US@EPA; Robin Costas/ESC/R3/USEPA/US@EPA; Richard Fetzer/R3/USEPA/US@EPA  
**Subject:** Re: Fw: EXTERNAL: ADDITIONAL - OASQA Comments on SERAS Validation Procedures

Dave -

Thanks for providing the link to the manual. However, I admit I am somewhat confused. I probably needed to include more detail in my earlier e-mail to Cindy.

With the exception of the Supplemental Round 1 micro results from sampling conducted in May, all the micro data (from sampling of 61 locations from Jan - March) has already been reviewed. That data was assigned final data qualifiers and has since been released to residents. Assuming SERAS's protocol for validating the micro is acceptable, I would not recommend revising the data at this time. I would also not recommend changing the protocol for the 3 new locations sampled in May.

I realize that I am out of my depth here - so I may be missing something. Please let me know if you think we need to have a call to discuss this matter in more detail.

Thanks - Kelley

**From:** Dave Russell/ESC/R3/USEPA/US  
**To:** Kelley Chase/R3/USEPA/US@EPA  
**Cc:** Cynthia Caporale/ESC/R3/USEPA/US@EPA, Robin Costas/ESC/R3/USEPA/US@EPA  
**Date:** 07/16/2012 05:29 PM  
**Subject:** Fw: EXTERNAL: ADDITIONAL - OASQA Comments on SERAS Validation Procedures

Kelley,

Raymond indicated that he does not have the SDWA Cert. Manual. It can be found online at this address:

[http://www.epa.gov/ogwdw/methods/pdfs/manual\\_labcertification.pdf](http://www.epa.gov/ogwdw/methods/pdfs/manual_labcertification.pdf)

Chapter 5 concerns dw microbiology.

Dave

----- Forwarded by Dave Russell/ESC/R3/USEPA/US on 07/16/2012 05:25 PM -----

**From:** Cynthia Caporale/ESC/R3/USEPA/US  
**To:** Dave Russell/ESC/R3/USEPA/US@EPA  
**Cc:** Robin Costas/ESC/R3/USEPA/US@EPA  
**Date:** 07/16/2012 03:47 PM  
**Subject:** Fw: EXTERNAL: ADDITIONAL - OASQA Comments on SERAS Validation Procedures

Response may be necessary for this???

Cynthia Caporale, Chief  
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----- Forwarded by Cynthia Caporale/ESC/R3/USEPA/US on 07/16/2012 03:46 PM -----

From: Kelley Chase/R3/USEPA/US  
To: Cynthia Caporale/ESC/R3/USEPA/US@EPA  
Cc: Richard Fetzer/R3/USEPA/US@EPA  
Date: 07/16/2012 02:53 PM  
Subject: Fw: EXTERNAL: ADDITIONAL - OASQA Comments on SERAS Validation Procedures

Cindy -

Meant to forward this earlier. The attached e-mail provides a response to Dave's comments (attached) regarding the micro data discussion in the SERAS memo. Other than referencing the SDWA Lab Cert memo, I believe that SERAS has addressed Dave's comments.

Thanks - Kelley

----- Forwarded by Kelley Chase/R3/USEPA/US on 07/16/2012 02:44 PM -----

From: [REDACTED] Ex. 4 - CBI  
To: Kelley Chase/R3/USEPA/US@EPA  
Cc: [REDACTED] Ex. 4 - CBI  
Date: 07/12/2012 10:50 AM  
Subject: FW: EXTERNAL: ADDITIONAL - OASQA Comments on SERAS Validation Procedures

Kelley:

Re: Dave Russell's comments regarding the HPC/ Fecal Coliforms/E. coli qualifications.

Changes will be made to our Data Validation procedures as follows:

The method and field blank action table headings will be changed from Method/Field blank action for HPC/FC to Method/Field blank action for HPC/E coli.

Regarding the method blank qualifications based on the method blank being  $\geq$  the reporting limit (RL) or if no method blank was analyzed, SERAS data validation does not have access to the referenced document SDWA Laboratory Certification manual. Therefore, SERAS will continue to validate these data quality issues based on our procedures.

I will be editing our data validation procedural table this afternoon and will be sending them to you by the end of the day.

Thanks,

[REDACTED] Ex. 4 - CBI

From: [REDACTED] Ex. 4 - CBI  
Sent: Tuesday, July 03, 2012 10:01 PM  
To: [REDACTED] Ex. 4 - CBI  
Subject: FW: EXTERNAL: ADDITIONAL - OASQA Comments on SERAS Validation Procedures

[REDACTED] Ex. 4 - CBI

Please verify that the information provided by Dave Russell matches the validation table you gave me for Dimock micro data. Let me know ASAP on Thursday what changes if any need to be made. Thanks.

Ex. 4 - CBI

**From:** Kelley Chase [mailto:Chase.Kelley@epamail.epa.gov]  
**Sent:** Tuesday, July 03, 2012 12:04 PM  
**To:** Ex. 4 - CBI  
**Cc:** Cynthia Caporale; Richard Fetzer; Gerald Heston  
**Subject:** EXTERNAL: ADDITIONAL - OASQA Comments on SERAS Validation Procedures

Hi Ex. 4 - CBI

I am forwarding a few additional comments that pertain to the micro discussion in your technical outline of the data assessment procedures used to review the data for the Dimock Groundwater project. I would appreciate it if you would review the attached comments, along with the earlier comments that I forwarded on June 7th, and revise the document, as necessary. I realize that this is a short week - but we are hoping that you would be able to make any necessary revisions and provide a final document via e-mail by COB next Tuesday 7/10/12.

Please do not hesitate to contact us with any questions regarding these comments.

Thanks again for all your help - Kelley

cell - 267-273-8859

----- Forwarded by Kelley Chase/R3/USEPA/US on 07/03/2012 12:50 PM -----

From: Cynthia Caporale/ESC/R3/USEPA/US  
To: Kelley Chase/R3/USEPA/US@EPA  
Date: 06/08/2012 11:29 AM  
Subject: Fw: Draft Final SERAS Data Validation Procedures Memo

Here's another set of comments for micro.

I'm taking a look at the technical summary now.

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----- Forwarded by Cynthia Caporale/ESC/R3/USEPA/US on 06/08/2012 10:27 AM -----

From: Dave Russell/ESC/R3/USEPA/US  
To: Cynthia Caporale/ESC/R3/USEPA/US@EPA  
Date: 06/07/2012 04:12 PM  
Subject: Re: Fw: Draft Final SERAS Data Validation Procedures Memo

Sorry I did not have this to you sooner, but this afternoon's reboot took out my computer for 45 minutes.

Below is very important. The corrective action they stated for a contaminated method blank is wrong.

Comments:

Wherever "Fecal Coliforms" is used, it should be changed to "Fecal Coliforms/*E. coli*" since it is my understanding that current work is using a method that detects *E. coli* instead of Fecal Coliforms. They are nearly the same thing, but not exactly. EPA documents use "Fecal Coliforms/*E.coli*".

p.6 :

**Method Blank Action for HPC** (Delete FC as the media for FC/*E.coli* is checked for sterility before the analysis is done.

Media is not used if contaminated.)

**if >= RL, the action is to reject the data** See SM9020B(8)(a)(5) and the SDWA Lab Cert. Manual paragraph 5.5.11 ("Data should be rejected if control is contaminated.")

**"No Associated Method Blank"** Reject the data because QC needed to validate the results was not performed, i.e., method was not followed.

From: Cynthia Caporale/ESC/R3/USEPA/US  
To: Dave Russell/ESC/R3/USEPA/US@EPA  
Date: 06/07/2012 01:45 PM  
Subject: Fw: Draft Final SERAS Data Validation Procedures Memo

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----- Forwarded by Cynthia Caporale/ESC/R3/USEPA/US on 06/07/2012 01:45 PM -----

From: Kelley Chase/R3/USEPA/US  
To: Cynthia Caporale/ESC/R3/USEPA/US@EPA  
Cc: Richard Fetzner/R3/USEPA/US@EPA, Gerald Heston/R3/USEPA/US@EPA  
Date: 06/05/2012 10:59 AM  
Subject: Fw: Draft Final SERAS Data Validation Procedures Memo

Hi Cindy -

I am forwarding the attached draft memo which was prepared by **Ex. 4 - CBI** SERAS) to provide a highly technical discussion of the project level review. The memo specifically focuses on SERAS's data review and validation procedures. While this is the contractor's work product, we would the QASQA Branch to review the memo and let us know whether you have any comments or questions - especially where the lab's process/role is referenced.

I will also be forward two companion pieces to SERAS's memo later today - hopefully by 2 pm. One is 5 page draft memo which provides a technical summary of the overall data collection, validation and review process for this project. While it is still a technical document, we are trying to make it somewhat user friendly while assuring that it remains technically accurate. You will see where we really need OASQA's input. The other document is a draft executive summary of the data process.

We are requesting that QASQA to review all 3 documents. As usual - there is a tight turn-a-round on the review. We need your initial comments no later than 2 pm on Thursday June 7th. We must forward the documents to the HQs EU on Friday June 8th - any would like the lab's input prior to sending the documents to HQs,

I am in a training class this week - but am stepping out as necessary to work on this matter. Please do not hesitate to contact me with any questions.

Thanks - Kelley  
cell - 267-273-8859

----- Forwarded by Kelley Chase/R3/USEPA/US on 06/05/2012 10:31 AM -----

From: **Ex. 4 - CBI**

To: Kelley Chase/R3/USEPA/US@EPA

Cc: Garv. Newhart/CI/USEPA/US@EPA, Richard Fetzner/R3/USEPA/US@EPA

**Ex. 4 - CBI**

**Ex. 4 - CBI**

Date: 05/30/2012 02:02 PM

Subject: Draft Final SERAS Data Validation Procedures Memo

.....is attached for any final comments and/or suggestions. Kelley.....have you forwarded the memo on to Cindy Caporale for her comments?



**Ex. 4 - CBI**

**Ex. 4 - CBI**

*Lockheed Martin*

*Scientific, Engineering, Response and Analytical Services (SERAS)*

**Ex. 4 - CBI**

[attachment "SERAS Data Validation Criteria\_053012\_Draft.docx" deleted by Dave Russell/ESC/R3/USEPA/US]